

Fig. 1. Growth curves for male *nrf2*-deficient *gpt* delta mice treated with NFT for 8 weeks.

***: Significantly different from the control group at $p < 0.05, 0.01$.

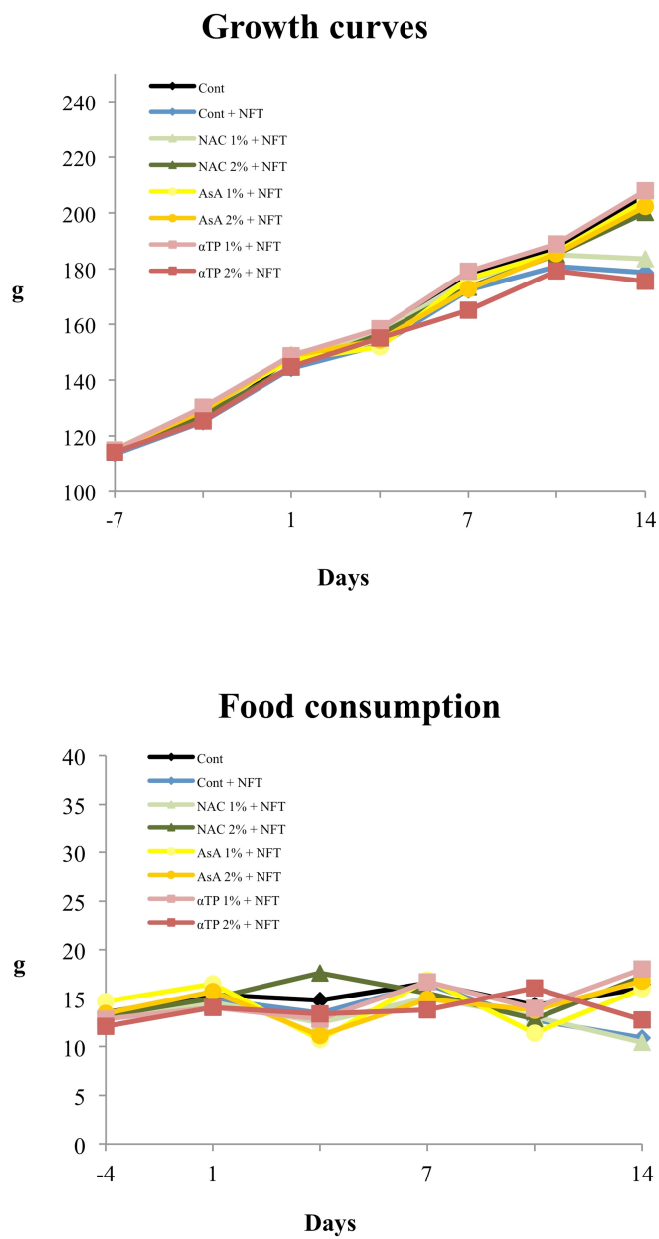


Fig. 2. Growth curves and food consumption for male F344 rats of combined administration of NFT with antioxidants for 2 weeks.

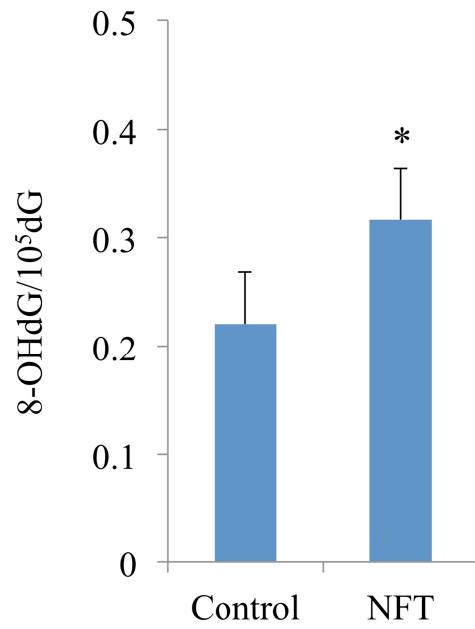


Fig. 3. 8-OHdG levels in the kidneys of male F344 rats given NFT for two weeks.

Values are means \pm SD.

*: Significantly different from the control group at $p < 0.01$.

Table 1.
Body and kidney weights of *nrf2*-deficient *gpt* delta mice given NFT for 8 weeks.

	<i>Nrf2</i> ^{+/+}		<i>Nrf2</i> ^{-/-}	
	Control	NFT	Control	NFT
(4 weeks)				
No. of animals	4	4	4	3
BW	26.98 ± 0.93	26.64 ± 1.85	28.9 ± 1.7	27.47 ± 2.57
Kidneys; absolute (g)	0.31 ± 0.01	0.31 ± 0.01	0.35 ± 0.04	0.35 ± 0.05
relative (g%)	1.13 ± 0.01	1.16 ± 0.05	1.23 ± 0.13	1.27 ± 0.07
(8 weeks)				
No. of animals	4	4	4	4
BW	31.26 ± 0.92	29.06 ± 1.41 *	31.59 ± 1.62	28.76 ± 0.78 *
Kidneys; absolute (g)	0.36 ± 0.05	0.36 ± 0.05	0.36 ± 0.06	0.33 ± 0.03
relative (g%)	1.15 ± 0.16	1.24 ± 0.10	1.16 ± 0.17	1.17 ± 0.14

* Significantly different from the relevant control group at p<0.05.

Table 2.
***gpt* and Spi⁻ MFs in the kidneys of *nrf2*-deficient *gpt* delta mice given NFT for 8 weeks.**

Genotype	Treatment	Animal No.	<i>gpt</i> assay			Spi ⁻ assay				
			Cu ²⁺ colonies (x10 ⁵)	6-TG ²⁺ and Cu ²⁺ colonies	Mutant Frequency (x10 ⁵)	Mean ± SD	Plaques within XL-1 Blue MRA (x10 ⁵)	Plaques within XL-1 Blue MRA(P2)	Mutant Frequency (x10 ⁵)	Mean ± SD
<i>Nrf2</i> ^{+/+}	Control	W2	14.09	15	1.06		24.57	2	0.08	
		W104	9.86	6	0.61		6.39	1	0.16	
		W105	64.17	30	0.47		53.01	14	0.26	
		W106	10.49	10	0.95	0.77 ± 0.28	10.17	2	0.20	0.17 ± 0.08
	NFT	W4	6.44	10	1.55		10.17	3	0.29	
		W5	11.70	19	1.62		12.51	1	0.08	
		W110	38.43	42	1.09		29.16	7	0.24	
		W111	12.42	14	1.13	1.35 ± 0.28 *	17.37	4	0.23	0.21 ± 0.09
<i>Nrf2</i> ^{-/-}	Control	Ho5	17.87	12	0.67		18.99	2	0.11	
		Ho6	9.72	12	1.23		8.19	1	0.12	
		Ho7	12.56	9	0.72		12.60	2	0.16	
		Ho8	16.38	10	0.61	0.81 ± 0.29	18.18	2	0.11	0.12 ± 0.02
	NFT	Ho9	9.99	31	3.10		21.51	4	0.19	
		Ho10	10.67	31	2.91		21.33	5	0.23	
		Ho11	14.81	18	1.22		12.69	2	0.16	
		Ho12	9.14	18	1.97	2.30 ± 0.88 *	17.37	4	0.23	0.20 ± 0.04 *
MeIQx	P1	8.24	60	7.29		7.47	10	1.34		

* Significantly different from the relevant control group at p<0.05.

Table 3.
Body and kidney weights of male F344 rats of combined
administration of NFT with antioxidants for 2 weeks.

Treatment	No. of animals	Body weights (g)	Kidneys	
			Absolute (g)	Relative (g%)
Basal diet + Vehicle (MC)	3	205.9 ± 10.2	1.46 ± 0.11	0.71 ± 0.02
Basal diet + NFT	3	178.7 ± 3.78 **	1.34 ± 0.03	0.75 ± 0.00
NAC 1% + NFT	3	183.6 ± 8.78 *	1.42 ± 0.04	0.78 ± 0.03**
NAC 2% + NFT	3	200.2 ± 6.56 #	1.62 ± 0.10	0.81 ± 0.03**,#
SAA 1% + NFT	3	204.5 ± 7.5 #	1.49 ± 0.04	0.73 ± 0.01
SAA 2% + NFT	3	202.4 ± 11.9 #	1.58 ± 0.10	0.78 ± 0.01**
αTP 1% + NFT	3	207.9 ± 7.73 ##	1.55 ± 0.07	0.75 ± 0.03
αTP 2% + NFT	3	175.4 ± 11.8 **	1.39 ± 0.12	0.79 ± 0.01**

*, ** Significantly different from the control group at p<0.05, 0.01.

#, ## Significantly different from the NFT-treated group at p<0.05, 0.01.